

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	319	380/29.ccls.	US-PGPUB; USPAT	OR	ON	2006/03/20 07:19
L2	281	380/29.ccls.	USPAT	OR	ON	2006/03/20 07:19
S1	301	380/29.CCLS.	US-PGPUB; USPAT	OR	ON	2005/06/16 15:21
S2	308	380/29.CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/13 12:21
S3	308	380/29.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/06/13 12:21
S4	308	380/29.CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/13 12:21
S5	308	380/29.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/13 12:21
S6	97	("5511123" "5949884" "6031911" "5745577" "5351299" "6182216" "6199162" "6314186" "6578150" "6751319" "6769063" "5365588" "5454039" "5675652" "5835597" "5606616" "6061703" "6104810" "6266413" "6445794" "5768390" "5675653" "5835599" "6870929" "6731754" "6763363" "6804354" "5825886" "5740249" "4815130" "5442705" "5473693" "5892829" "5933499" "6049608" "6122375" "6141421" "6189095" "6295606" "6301362" "6370247" "5796830" "6052469" "5003597" "5317638" "5995625" "5778074" "5793871" "5673319" "6069954").pn. ("6345101" "6535607" "6466669" "4897876" "5841872" "5970148" "6044388" "6061449" "6061703" "6061449" "6490354" "6578061" "6850960" "6859818" "5963104" "5568073" "5638315" "6263471" "6760440" "5019736" "5631960" "4871930" "4912342" "5623545" "6069495" "4890127" "4979140" "5191243" "5321704" "5343406" "5432719" "5448493" "5459681" "5488316" "5598424" "5821774" "5825202" "5838892" "5867732" "5881250" "5896406" "5974530" "5991861" "6081130" "6094065" "6107822" "6108812" "6118298" "6204685").pn.	US-PGPUB; USPAT	OR	ON	2005/06/30 16:15
S7	3616	data adj encryption adj standard	US-PGPUB; USPAT	OR	ON	2005/06/16 17:04
S8	3798	data adj encryption adj standard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 17:04
S9	0	data adj encryption adj standard and clock adj cyle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 17:05
S10	283	data adj encryption adj standard and clock adj cycle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 17:45
S11	280	data adj encryption adj standard and clock adj cycle	US-PGPUB; USPAT	OR	ON	2005/06/16 17:45

## EAST Search History

S12	1	"3962539".pn.	US-PGPUB; USPAT	OR	ON	2005/06/16 18:21
S13	8695	(des or data adj encryption adj standard) and clock adj cycle	US-PGPUB; USPAT	OR	ON	2005/06/16 18:22
S14	5426	(des or data adj encryption adj standard) and (clock adj cycle) and gate	US-PGPUB; USPAT	OR	ON	2005/06/16 18:22
S15	1202	(des or data adj encryption adj standard) and (clock adj cycle) and gate and "xor"	US-PGPUB; USPAT	OR	ON	2005/06/16 18:22
S16	809	(des or data adj encryption adj standard) and (clock adj cycle) and gate and "xor"	USPAT	OR	ON	2005/06/16 18:22
S17	88	(des or data adj encryption adj standard) same (clock adj cycle) and gate and "xor"	USPAT	OR	ON	2005/06/16 18:22
S18	1066289	data adj encryption adj standard or des	US-PGPUB; USPAT	OR	ON	2005/06/17 07:55
S19	6854880	(data adj encryption adj standard) or des	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 07:55
S20	10068	S19 and clock adj cycle\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 08:40
S21	1428	S19 and clock adj cycle\$ and "xor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 09:01
S22	0	S19 and clock adj cycle\$ and "xor" and expansion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 09:01
S23	502	S19 and clock adj cycle\$ and "xor" and expansion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 09:02
S24	94	S19 and clock adj cycle\$ and "xor" and expansion and ("380"/\$.ccls. "713"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 09:02
S25	172	S19 and clock adj cycle\$ and "xor" and ("380"/\$.ccls. "713"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 09:35
S26	12	S19 and clock adj cycle\$ and "xor" and ("380"/\$.ccls. "713"/\$.ccls.) and critical adj path	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 09:37
S28	239	380/37.CCLS. AND (DES OR AES)	US-PGPUB; USPAT	OR	ON	2005/06/17 11:17
S29	369	380/37.CCLS.	US-PGPUB; USPAT	OR	ON	2005/06/17 11:17

## EAST Search History

S30	25	combin\$ with permutation with expansion	US-PGPUB; USPAT	OR	ON	2005/06/17 12:27
S31	1	merg\$ with permutation with expansion	US-PGPUB; USPAT	OR	ON	2005/06/17 12:27
S32	2	cavium.as.	US-PGPUB; USPAT	OR	ON	2005/06/17 12:29
S33	2	kiszely.in.	US-PGPUB; USPAT	OR	ON	2005/06/30 14:52
S34	5	kiszely.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:03
S35	3619	des and data adj encryption adj standard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:09
S36	883	S35 and improve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:04
S37	429	S35 and improve	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:15
S38	71591	des same improve or data adj encryption adj standard same improve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:09
S39	71591	(des same improve) or (data adj encryption adj standard same improve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:10
S40	16	(data adj encryption adj standard same improve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:12
S41	8526	(data adj encryption adj standard with improve) or (des with improve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:12
S42	40	(data adj encryption adj standard with improve) or (des with improve) and ("713"/\$.ccls. or "380"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 15:12
S43	592	"4" adj clock adj cycles	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:16

## EAST Search History

S44	3	S43 and data adj encryption adj standard	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:36
S45	53	data adj encryption adj standard same patent	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:38
S46	2	"3958081".pn.	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/30 16:38
S47	1	"3958081".pn.	USPAT	OR	ON	2005/06/30 17:02
S48	398915	data adj encryption adj standard and (merge combine) same permutation\$ expansion\$	US-PGPUB; USPAT	OR	ON	2005/06/30 17:03
S49	8	(data adj encryption adj standard) and (merge combine) same (permutation\$ and expansion\$)	US-PGPUB; USPAT	OR	ON	2005/06/30 17:03
S50	12	("6272221" "6442525" "6400824" "6357009" "6816968" "5675653" "6304658" "6108421" "5835599" "6381699" "6278783" "4947428").PN.	US-PGPUB; USPAT	OR	ON	2005/07/01 08:40
S51	28875	output with fed adj back	US-PGPUB; USPAT	OR	ON	2005/07/01 08:40
S52	88	output with fed adj back same expansion	US-PGPUB; USPAT	OR	ON	2005/07/01 08:41
S53	0	output with fed adj back same expansion and encryption	US-PGPUB; USPAT	OR	ON	2005/07/01 08:41
S54	88	output with fed adj back same expansion	US-PGPUB; USPAT	OR	ON	2005/07/01 08:44
S55	8	(data ADJ encryption ADJ standard) AND (rearrangement WITH gate)	US-PGPUB; USPAT	OR	ON	2005/07/01 08:44
S56	19	(US-20020003876-\$ or US-20020018562-\$ or US-20020034295-\$ or US-20020061107-\$ or US-20020106078-\$ or US-20020106080-\$ or US-20020108048-\$ or US-20020118827-\$ or US-20030002664-\$ or US-20030072444-\$ or US-20030103626-\$).did. or (US-6182216-\$ or US-6199162-\$ or US-6249582-\$ or US-6314186-\$ or US-6578150-\$ or US-6704871-\$ or US-6708273-\$ or US-6751319-\$).did.	US-PGPUB; USPAT	OR	ON	2005/07/01 08:47
S57	372	380/37.CCLS.	US-PGPUB; USPAT	OR	ON	2005/07/01 08:53
S58	153	380/37.CCLS. and data adj encryption adj standard	US-PGPUB; USPAT	OR	ON	2005/07/01 09:31
S59	0	"20020018562".pn. and bus	US-PGPUB; USPAT	OR	ON	2005/07/01 09:31
S60	0	"20020018562".pn. and processor	US-PGPUB; USPAT	OR	ON	2005/07/01 09:31
S61	0	"20020018562".pn. and hardware	US-PGPUB; USPAT	OR	ON	2005/07/01 10:59
S62	1	"20050069134"	US-PGPUB; USPAT	OR	ON	2005/07/01 10:59
S63	304	380/29.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/02 09:30
S64	238	380/29.ccls. and (data adj encryption adj standard or des)	US-PGPUB; USPAT	OR	ON	2005/08/02 09:45
S65	3473503	data adj encryption adj standard or des	DERWENT	OR	ON	2005/08/02 09:46
S66	131	data adj encryption adj standard	DERWENT	OR	ON	2005/08/02 09:46

## EAST Search History

S67	3945	data adj encryption adj standard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/06 15:42
S68	10	data adj encryption adj standard and expansion adj modules	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/06 15:43
S69	30	data adj encryption adj standard and expansion adj permutation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/06 15:58
S70	0	"6931127".PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/06 15:53
S71	48	expansion adj permutation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/06 15:58
S72	97	"3-input" with "xor"	US-PGPUB; USPAT	OR	ON	2006/02/02 09:12
S73	0	"3-input" with "xor" same des	US-PGPUB; USPAT	OR	ON	2006/02/02 09:12
S74	0	"3-input" with "xor" same encryption	US-PGPUB; USPAT	OR	ON	2006/02/02 09:12
S75	16	"3-input" with "xor" and (encryption crypto\$ des data adj encryption)	US-PGPUB; USPAT	OR	ON	2006/02/02 09:15
S76	4	"3-input" with "xor" and (encryption crypto\$ des data adj encryption)	US-PGPUB; USPAT	OR	OFF	2006/02/02 11:58
S77	95	"3-input" with "xor"	US-PGPUB; USPAT	OR	OFF	2006/02/02 12:02
S78	0	"3-input" with "xor" same encryption	US-PGPUB; USPAT	OR	OFF	2006/02/02 11:58
S79	0	"4-cycle" with des	US-PGPUB; USPAT	OR	OFF	2006/02/02 11:58
S80	0	"4-round" with des	US-PGPUB; USPAT	OR	OFF	2006/02/02 11:59
S81	134	cycle with des	US-PGPUB; USPAT	OR	OFF	2006/02/02 11:59
S82	5	cycle with des with (S80 four)	US-PGPUB; USPAT	OR	OFF	2006/02/02 11:59
S83	0	"3-input" with "xor" same des	US-PGPUB; USPAT	OR	OFF	2006/02/02 12:02
S84	10	"3-input" with "xor" same data	US-PGPUB; USPAT	OR	OFF	2006/02/02 12:02
S85	97	3-input with "xor"	US-PGPUB; USPAT	OR	ON	2006/02/02 12:48
S86	125038	improvement adj comprising	US-PGPUB; USPAT	OR	ON	2006/02/02 14:05
S87	213	improvement adj comprising and "713"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/02/02 14:37
S88	1	"6704871".pn.	US-PGPUB; USPAT	OR	ON	2006/02/02 14:51

## EAST Search History

S89	1	"4344424".pn.	US-PGPUB; USPAT	OR	ON	2006/02/02 14:51
S90	1	"6745394".pn.	US-PGPUB; USPAT	OR	ON	2006/02/02 14:51
S91	1	"6141530".pn.	US-PGPUB; USPAT	OR	ON	2006/02/02 16:05
S92	20	("5133079"   "5412416"   "5515107"   "5519435"   "5546118"   "5583562"   "5696560"   "5729279"   "5795046"   "5801754"   "5828403"   "5920626"   "5924013"   "5924039").PN. OR ("6141530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/02 16:06
S93	6	S92 and distributor	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/02 16:06
S94	100	("6155840" "5953046" "6272461" "6397036" "6195093" "6509909" "6732915" "6253193" "6363488" "6389402" "6427140" "6931545" "6026374" "6393158" "5918215" "6912039" "5790935" "5949476" "5823651" "6669485" "6064385" "5802448" "6269380" "6289455" "5884280" "6240553" "6389403" "6389538" "6398245" "6418421" "6697944" "5915018" "6327652" "5771435" "5822530" "6871188" "6119109" "6240401" "5673430" "6707889" "6792086" "6892064" "5941951" "6240555" "6834195" "5818446" "5752160" "6292789" "5905981" "6195655").pn. ("6199045" "6289362" "6640305" "5787089" "6263313" "6345256" "6587837" "6611812" "6834110" "6859791" "6959288" "6424998" "6131162" "5790175" "5914941" "6052780" "6055314" "6077084" "6139329" "6163272" "6185686" "6189008" "6314572" "6314573" "6353831" "6460137" "6684400" "6868495" "6477537" "5973722" "6343310" "5818441" "5892900" "5910987" "5915019" "5917912" "5933500" "5949876" "5963864" "5978650" "5982891" "6119229" "6198509" "6199082" "6237786" "6246672" "6278717" "6330670" "6339761" "6353728").pn.	US-PGPUB; USPAT	OR	ON	2006/02/03 06:54
S95	313	380/29.ccls.	US-PGPUB; USPAT	OR	ON	2006/02/03 08:18
S96	27	("20020009196" "20020012430" "20020018562" "20020106078"  "20020106080" "3958081" "3962539" "4319079" "4947428" "5 675653" "5835599" "6108421" "6150836" "6272221" "6278783"  "6304658" "6351142" "6357009" "6381699" "6400824" "64425 25" "6578150" "6704871" "6708273" "6751319" "6816968" "691 4984").PN.	US-PGPUB; USPAT	OR	ON	2006/02/03 08:18
S97	26	(US-20030002664-\$ or US-20030023950-\$ or US-20020012430-\$ or US-20020003876-\$ or US-20020021802-\$ or US-20020009196-\$).did. or (US-5513262-\$ or US-6006321-\$ or US-6121791-\$ or US-6150836-\$ or US-6351142-\$ or US-6438569-\$ or US-6704871-\$ or US-5351299-\$ or US-5796837-\$ or US-5661807-\$ or US-5592553-\$ or US-5289542-\$ or US-4543646-\$ or US-6466669-\$ or US-6298136-\$ or US-5949884-\$ or US-5539827-\$ or US-6542607-\$ or US-6914984-\$ or US-5442705-\$).did.	US-PGPUB; USPAT	OR	ON	2006/02/03 08:18
S98	20	S97 not S96	US-PGPUB; USPAT	OR	ON	2006/02/03 08:18
S99	20	(US-20020003876-\$ or US-20020021802-\$ or US-20030002664-\$ or US-20030023950-\$).did. or (US-4543646-\$ or US-5289542-\$ or US-5351299-\$ or US-5442705-\$ or US-5513262-\$ or US-5539827-\$ or US-5592553-\$ or US-5661807-\$ or US-5796837-\$ or US-5949884-\$ or US-6006321-\$ or US-6121791-\$ or US-6298136-\$ or US-6438569-\$ or US-6466669-\$ or US-6542607-\$).did.	US-PGPUB; USPAT	OR	ON	2006/02/03 08:18

## EAST Search History

S10 0	47	("20020003876" "20020009196" "20020012430" "20020018562" "20020021802" "20020106078" "20020106080" "20030002664" "20030023950" "3958081" "3962539" "4319079" "4543646" "4947428" "5289542" "5351299" "5442705" "5513262" "5539827" "5592553" "5661807" "5675653" "5796837" "5835599" "5949884" "6006321" "6108421" "6121791" "6150836" "6272221" "6278783" "6298136" "6304658" "6351142" "6357009" "6381699" "6400824" "6438569" "6442525" "6466669" "6542607" "6578150" "6704871" "6708273" "6751319" "6816968" "6914984").PN.	US-PGPUB; USPAT	OR	ON	2006/02/03 08:23
S10 1	1040	theriault	US-PGPUB; USPAT	OR	ON	2006/02/03 09:01
S10 2	1	theriault.xa. theriault.xp.	US-PGPUB; USPAT	OR	ON	2006/02/03 09:02
S10 3	1	schubert.xa. schubert.xp.	US-PGPUB; USPAT	OR	ON	2006/02/03 09:02
S10 4	3	shiferaw.xa. shiferaw.xp.	US-PGPUB; USPAT	OR	ON	2006/02/03 09:02
S10 5	2414	hoffman.xa. hoffman.xp.	US-PGPUB; USPAT	OR	ON	2006/02/03 09:03
S10 6	316	hoffman.xa.	US-PGPUB; USPAT	OR	ON	2006/02/03 09:03
S10 7	11	hoffman.xa. and brandon.xa.	US-PGPUB; USPAT	OR	ON	2006/02/03 09:03